NAS/DSR

(National Airspace System/Display System Replacements) Generator

Version 1.0
November 14, 2007

A component of:

SIGNAL

Simulation and Integration of Ground, Network, and Air Links

Status:

Operational

Connections:

None

Overview:

This Software provides the NAS Host with the entire input/output network communications required to provide a fully functional ATC (Air Traffic Controller) environment. The simulation generates a Radar Mosaic of all the actual Radar Sites in the Adaptation which produces the Radar Targets and Analog Radar Weather expected by the NAS Host.

Inter-Facility and Intra-Facility messages are also automated to act as though other ATC Controllers exist and are working the traffic in the scenario providing a realistic environment for the ATC Student.

The Plan:

We plan to drive the DSR/NAS equipment in the operational mode. SIGNAL will need to generate the radar, WARP (Weather, NeXrad), and land line communications necessary to drive this equipment. We estimate once the DSR equipment is installed and functional, 6 month for a prototype, 1 year for a production system.